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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 4

**Complete if Known**

Application Number	10/622,087
Filing Date	July 18, 2003
First Named Inventor	Martin F. Bachmann
Art Unit	1648
Examiner Name	Michelle Horning
Attorney Docket Number	1700.0350002/BJD

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/MH/	AA1	US- 4,722,840	02/02/1988	Valenzuela <i>et al.</i>	
	AB1	US- 4,959,314	09/25/1990	Mark <i>et al.</i>	
	AC1	US- 5,143,728	09/01/1992	Thornton <i>et al.</i>	
	AD1	US- 5,565,548	10/15/1996	Neurath <i>et al.</i>	
	AE1	US- 5,698,424	12/16/1997	Mastico <i>et al.</i>	
	AF1	US- 5,916,818	06/29/1999	Irsch <i>et al.</i>	
	AG1	US- 5,928,647	07/27/1999	Rock	
	AH1	US- 5,935,821	08/10/1999	Chatterjee <i>et al.</i>	
	AI1	US- 6,004,763	12/21/1999	Gengoux <i>et al.</i>	
	AJ1	US- 6,054,312	04/25/2000	Larocca <i>et al.</i>	
	AK1	US- 6,180,771 B1	01/30/2001	Thomas <i>et al.</i>	
	AL1	US- 6,231,864	05/15/2001	Birkett	
	AM1	US- 6,380,364 B1	04/30/2002	Mueller <i>et al.</i>	
	AN1	US- 2002/0052311 A1	05/02/2002	Solomon <i>et al.</i>	
	AO1	US- 2002/0064533 A1	05/30/2002	Murray	
	AP1	US- 2002/0081295 A1	06/27/2002	Schiller <i>et al.</i>	
	AQ1	US- 2003/0157479 A1	08/21/2003	Bachmann <i>et al.</i>	
	AR1	US- 2003/0175290 A1	09/18/2003	Renner <i>et al.</i>	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	AS1	EP 0 038 154 A1	10/21/1981	Garman <i>et al.</i>		
	AT1	WO 90/15878 A1	12/27/1990	Stanworth <i>et al.</i>		
	AU1	EP 0 578 293 A1	01/12/1994	Van der Zee <i>et al.</i>		
	AV1	EP 0 385 610 B1	03/16/1994	Rowlands <i>et al.</i>		
	AW1	EP 0 465 081 B1	04/20/1994	Kossovsky <i>et al.</i>		
	AY1	EP 0 283 505 B1	07/06/1994	Hunter <i>et al.</i>		

Examiner Signature

Date  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2

of

4

**Complete If Known**

Application Number

10/622.087

Filing Date

July 18, 2003

**FIRST NAMED INVENTOR**

Martin F. Bachmann

**AR UNIT**

1648

### Exercises

**Michelle Hornig**

Attorney Packer Number

1700.0350002/BJD

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**FOREIGN PATENT DOCUMENTS**

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code* Kind Code <sup>5</sup> (In known)				
	AS2	WO 94/15585 A1	07/21/1994	Kossovsky <i>et al.</i>		
	AT2	JP 09202735A	08/05/1997	Yoshiro <i>et al.</i>		
	AU2	WO 98/28624 A1	07/02/1998	Cramer <i>et al.</i>		
	AV2	WO 98/40100 A1	09/17/1998	Davis <i>et al.</i>		
	AW2	WO 99/28478 A1	06/10/1999	Frace <i>et al.</i>		
	AY2	WO 99/40934 A1	08/19/1999	Birkett		

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NER: Initial if reference considered, whether or not citation is in conformance with M PEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with the communication to applicant.  
 Application is in citation designated number (optional). \* See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.  
 Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached.  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

4

**Complete If Known**

~~APPLICATION NUMBER~~

10/622.087

Filing Date

**July 18, 2003**

FIRST NAMED INVENTOR

**Martin F. Bachmann**

**AIR MAIL**

1948

**Examiner Name**

**Michelle Horning**

**Attorney Docket Number**

1700.0350002/BJD

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**FOREIGN PATENT DOCUMENTS**

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		Country Code* Kind Code* (in known)				
MM/	AS3	WO 99/57289 A2	11/11/1999	Pumpens <i>et al.</i>		
	AT3	WO 00/23955 A1	04/27/2000	Schiller <i>et al.</i>		
	AU3	WO 00/32227 A2	08/08/2000	Renner <i>et al.</i>		
	AV3	WO 00/50461 A1	08/31/2000	Friede <i>et al.</i>		
	AW3	WO 01/53457 A2	07/26/2001	Srivastava		
	AY3	WO 01/62284 A2	08/30/2001	Birk <i>et al.</i>		

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<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the

Serial Number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Transaction is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete If Known**

<b>Application Number</b>	10/622,087
<b>Filing Date</b>	July 18, 2003
<b>First Named Inventor</b>	Martin F. Bachmann
<b>Art Unit</b>	1648
<b>Examiner Name</b>	Michelle Horning
<b>Attorney Docket Number</b>	1700.0350002/BI

Sheet	4	of	4
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FOREIGN PATENT DOCUMENTS						
Examiner to Visit	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>4</sup> Kind Code <sup>5</sup> (In known)				
	AS4	WO 01/85208 A2	11/15/2001	Sebbel <i>et al.</i>		
	AT4	WO 02/056905 A2	07/25/2002	Renner <i>et al.</i>		
	AU4	WO 02/056907 A2	07/25/2002	Maurer <i>et al.</i>		
	AV4	WO 03/024480 A2	03/27/2003	Bachmann <i>et al.</i>		

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## NON PATENT LITERATURE DOCUMENTS

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Substitute for form 1449B/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Application Number</b>	10/822,087
				<b>Filing Date</b>	July 18, 2003
				<b>First Named Inventor</b>	Martin F. Bachmann
				<b>Art Unit</b>	1848
				<b>Examiner Name</b>	Michelle Horning
<b>Sheet</b>	2	of	8	<b>Attorney Docket Number</b>	1700.0350002/BJD

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
/MH/	NPL11	Brown, W.L., et al., "RNA bacteriophage capsid-mediated drug delivery and epitope presentation," <i>Intervirology</i> 45(4-6):371-380, S. Karger AG Basel (2002)		
	NPL12	Cesareni, G., "Peptide display on filamentous phage capsids: A new powerful tool to study protein-ligand interaction," <i>FEBS Lett.</i> 307(1):66-70, Elsevier Science Publishers B.V. (1992)		
	NPL13	Chackerian, B., et al., "Induction of autoantibodies to mouse CCR5 with recombinant papillomavirus particles," <i>Proc Natl. Acad. Sci USA</i> 96(5):2373-2378, (1999)		
	NPL14	Cramer, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," <i>Gene</i> 137(1):69-75, Elsevier Science Publishers B.V. (1993)		
	NPL15	de la Cruz, V.F., et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i> 263:4318-4322, The American Society for Biochemistry and Molecular Biology, Inc. (1988)		
	NPL16	Dodart J.-C., et al., "Immunotherapy for Alzheimer's disease: will vaccination work?," <i>TRENDS in Molecular Medicine</i> 9(3):85-87, (2003)		
	NPL17	Donnelly, J.J., et al., "DNA Vaccines," <i>Annu. Rev. Immunol.</i> 15:617-648, Annual Reviews, Inc. (1997)		
	NPL18	Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," <i>Proc. Natl. Acad. Sci</i> 95(16):9477-9481, (1998)		
	NPL19	Fehr, T., et al., "Role of Repetitive Antigen Patterns for Induction of Antibodies Against Antibodies," <i>J Exp. Med.</i> 185(10):1785-1792, The Rockefeller University Press (1997)		
	NPL20	Frenkel, D., et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," <i>Vaccine</i> 19(17-19):2615-2619, Elsevier Science, Ltd. (2001)		

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Substitute for form 1449B/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<i>Application Number</i>	10/622,087
				<i>Filing Date</i>	July 18, 2003
				<i>First Named Inventor</i>	Martin F. Bachmann
				<i>Art Unit</i>	1848
				<i>Examiner Name</i>	Michelle Homing
Sheet	3	of	8	<i>Attorney Docket Number</i>	1700.0350002/BJD

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
/MH/	NPL21	Frenkel, D., <i>et al.</i> , "Immunization against Alzheimer's beta -amyloid plaques via EFRH phage administration," <i>PNAS</i> 97(21):11455-11459, (2000)		
	NPL22	Frolov, I., <i>et al.</i> , "Alphavirus-based expression vectors: strategies and applications," <i>Proc. Natl. Acad. Sci</i> 93(21):11371-11377, (1996)		
	NPL23	Gilman, S., <i>et al.</i> , "Clinical effects of Abeta immunization (AN1792) in patients with AD in an interrupted trial," <i>Neurology</i> 64(9):1553-1562, (2005)		
	NPL24	Golmohammadi, R., <i>et al.</i> , "The crystal structure of bacteriophage Q $\beta$ at 3.5Å resolution," <i>Structure</i> 4(5):543-554, Current Biology, Ltd. (1996)		
	NPL25	Harris, S.J., <i>et al.</i> , "Prediction of murine MHC class I epitopes in a major house dust mite allergen and induction of T1-type CD8+ T cell responses," <i>International Immunology</i> 9(2):273-280, (1997)		
	NPL26	Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel $\beta$ Chemokine Containing Six Conserved Cysteines," <i>J. Immunol.</i> 159(4):1589-1593, The American Association of Immunologists (1997)		
	NPL27	Hilleman, M.R., "Six decades of vaccine development - a personal history," <i>Nat. Med. Vaccine Suppl.</i> 4(5 Suppl):507-514, (1998)		
	NPL28	Holtzman, D.M., <i>et al.</i> , "Abeta immunization and anti-Abeta antibodies: potential therapies for the prevention and treatment of Alzheimer's disease," <i>Advanced Drug Delivery Reviews</i> 54(12):1603-1613, Elsevier Science (2002)		
	NPL29	Iannolo, G., <i>et al.</i> , "Construction, Exploitation and Evolution of a New Peptide Library Displayed at High Density by Fusion to the Major Coat Protein of Filamentous Phage," <i>Biol. Chem.</i> 378(6):517-521, Walter de Gruyter & Co. (1997)		
	NPL30	Iannolo, G., <i>et al.</i> , "Modifying Filamentous Phage Capsid: Limits in the Size of the Major Capsid Protein," <i>J. Mol. Biol.</i> 248(4):835-844, Academic Press, Ltd. (1995)		

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				Filing Date	July 18, 2003
				First Named Inventor	Martin F. Bachmann
				Art Unit	1648
				Examiner Name	Michelle Homing
Sheet	4	of	8	Attorney Docket Number	1700.0350002/BJD

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/MH/	NPL31	Janus, C., "Vaccines for Alzheimer's disease: how close are we?," <i>CNS Drugs</i> 17(7):457-474, Adis Data Information (2003)		
	NPL32	Jegerlehner, A., <i>et al.</i> , "A molecular assembly system that renders antigens of choice highly repetitive for induction of protective B cell responses," <i>Vaccine</i> 20(25-26):3104-3112, Elsevier Science, Ltd. (2002)		
	NPL33	Kastelein, R.A. <i>et al.</i> , "Effect of the sequence upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein," <i>Gene</i> 23(3):245-254, Elsevier (1983)		
	NPL34	Klovins, J., <i>et al.</i> , "Nucleotide sequence of a ssRNA phage from <i>Acinetobacter</i> : kinship to coliphages," <i>Journal of general Virology</i> 83(Pt 6):1523-1533, SGM (2002)		
	NPL35	Kovacovics-Bankowski, M., <i>et al.</i> , "Efficient major histocompatibility complex class I presentation of exogenous antigen upon phagocytosis by macrophages," <i>Proc. Natl. Acad. Sci. USA</i> 90:4942-4946, National Academy Press (1993)		
	NPL36	Kozlovskaya, T.M., <i>et al.</i> , "Recombinant RNA phage Q $\beta$ capsid particles synthesized and self-assembled in <i>Escherichia coli</i> ," <i>Gene</i> 137(1):133-137, Elsevier Science Publishers B.V. (1993)		
	NPL37	Kozlovskaya, T.M., <i>et al.</i> , "RNA Phage Q $\beta$ Coat Protein as a Carrier for Foreign Epitopes," <i>Intervirology</i> 39(1-2):9-15, S. Karger AG (1996)		
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Examiner Signature		Date Considered	
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				Application Number	10/822,087
				Filing Date	July 18, 2003
				First Named Inventor	Martin F. Bachmann
				Art Unit	1648
				Examiner Name	Michelle Horning
Sheet	5	of	8	Attorney Docket Number	1700.0350002/BJD

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
/MH/	NPL41	Lim, F., <i>et al.</i> , "The RNA-binding Site of Bacteriophage Q $\beta$ Coat Protein," <i>J. Biol. Chem.</i> 271(50):31839-31845, The American Society for Biochemistry and Molecular Biology, Inc. (1996)		
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	NPL45	Minenkova, O.O., <i>et al.</i> , "Design of specific immunogens using filamentous phage as the carrier," <i>Gene</i> 128(1):85-88, Elsevier Science Publishers B.V. (1993)		
	NPL46	NCBI Entrez, GenBank Report, Accession No. AAA16663, from Kozlovskaya, T.M., <i>et al.</i> (March 1994)		
	NPL47	NCBI Entrez, GenBank Report, Accession No. AAC14699, from Beekwilder, M.J., <i>et al.</i> (April 1998)		
	NPL48	NCBI Entrez, GenBank Report, Accession No. AAC14704, from Beekwilder, M.J., <i>et al.</i> (April 1998)		
	NPL49	NCBI Entrez, GenBank Report, Accession No. CAA30374, from Inokuchi, Y., <i>et al.</i> (February 1999)		
	NPL50	NCBI Entrez, GenBank Report, Accession No. NP_040754, from Inokuchi, Y., <i>et al.</i> (June 2003)		

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Substitute for form 1449B/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<i>Application Number</i>	10/522,087
				<i>Filing Date</i>	July 18, 2003
				<i>First Named Inventor</i>	Martin F. Bachmann
				<i>Art Unit</i>	1848
				<i>Examiner Name</i>	Michelle Homing
Sheet	6	of	8	<i>Attorney Docket Number</i>	1700.0350002/BJD

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
/MH/	NPL51	NCBI Entrez, GenBank Report, Accession No. P03611, from Weber, K., <i>et al.</i> (November 1997)		
	NPL52	NCBI Entrez, GenBank Report, Accession No. VCBPM2, from Min Jou, W., <i>et al.</i> (January 2001)		
	NPL53	NCBI Entrez, GenBank Report, Accession No. VCBPQB, from Maita, T., and Konigsberg, W. (December 1993)		
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	NPL55	Ni, C.-Z., <i>et al.</i> , "Crystal structure of the coat protein from the GA bacteriophage: Model of the unassembled dimer," <i>Protein Sci.</i> 5:2485-2493, Cambridge University Press (1996)		
	NPL56	Nieland, J.D., <i>et al.</i> , "Chimeric papillomavirus virus-like particles induce a murine self-antigen-specific protective and therapeutic antitumor immune response," <i>Journal of Cellular Biochemistry</i> 73(2):145-152, Wiley-Liss Inc. (1999)		
	NPL57	Ormstad, H., <i>et al.</i> , "Airborne house dust particles and diesel exhaust particles as allergen carriers," <i>Clinical and Experimental Allergy</i> 28(6):702-708, Blackwell Science Ltd. (1998)		
	NPL58	O'Shea, E.K., <i>et al.</i> , "Evidence That the Leucine Zipper Is a Coiled Coil," <i>Science</i> 243(4890):538-542, American Association for the Advancement of Science (1989)		
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				Application Number	10/622,087
				Filing Date	July 18, 2003
				First Named Inventor	Martin F. Bachmann
				Art Unit	1648
				Examiner Name	Michelle Horning
Sheet	7	of	8	Attorney Docket Number	1700.0350002/BJD

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
/MH/	NPL61	Perham, R.N., <i>et al.</i> , "Engineering a peptide epitope display system on filamentous bacteriophage," <i>FEMS Microbiol. Rev.</i> 17(1-2):25-31, Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies (1995)		
	NPL62	Petrenko, V.A., <i>et al.</i> , "A library of organic landscapes on filamentous phage," <i>Protein Engin.</i> 9(9):797-801, Oxford University Press (1996)		
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	NPL64	Raychaudhuri, S., and Rock, K.L., "Fully mobilizing host defense: Building better vaccines," <i>Nat. Biotechnol.</i> 16(11):1025-1031, Nature America, Inc. (1998)		
	NPL65	Robinson, C.R., and Sauer, R.T., "Optimizing the stability of single-chain proteins by linker length and composition mutagenesis," <i>PNAS</i> 95(11):5929-5934, National Academy of Science (1998)		
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	NPL67	Roher, A.E., <i>et al.</i> , "Isolation and Chemical Characterization of Alzheimer's Disease Paired Helical Filament Cytoskeletons: Differentiation from Amyloid Plaque Core Protein," <i>J. Cell Biol.</i> 107(6 Pt 2):2703-2716, The Rockefeller University Press (1988)		
	NPL68	Roher, A.E., <i>et al.</i> , "Morphological and Biochemical Analyses of Amyloid Plaque Core Proteins Purified from Alzheimer Disease Brain Tissue," <i>J. Neurochem.</i> 61(5):1916-1926, Raven Press, Ltd. (1993)		
	NPL69	Romagnani, S., "The Th1/Th2 paradigm," <i>Immunol. Today</i> 18(6):263-268, Elsevier Science Ltd. (1997)		
	NPL70	Schenk, D., <i>et al.</i> , "Immunization with amyloid- $\beta$ attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <i>Nature</i> 400(6740):173-177, Nature Publishing Group (1999)		

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/622,087
				Filing Date	July 18, 2003
				First Named Inventor	Martin F. Bachmann
				Art Unit	1648
				Examiner Name	Michelle Horning
Sheet	8	of	8	Attorney Docket Number	1700.0350002/BJD

NON PATENT LITERATURE DOCUMENTS				
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/MH/	NPL71	Selkoe, D.J., "Translating cell biology into therapeutic advances in Alzheimer's disease," <i>Nature</i> 399(6738 Suppl):A23-A31, Nature Publishing Group (1999)		
	NPL72	Sturchler-Pierrat, C., et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <i>Proc. Natl. Acad. Sci. USA</i> 94(24):13287-13292, National Academy Press (1997)		
	NPL73	Townsend, A., and Bodmer, H., "Antigen recognition by class I-restricted T lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624, Annual Reviews, Inc. (1989)		
	NPL74	Ulrich, R., et al., "Core particles of hepatitis B virus as carrier for foreign epitopes," <i>Adv. Virus Res.</i> 50:141-182, Academic Press (1998)		
	NPL75	Vasiljeva, I., et al., "Mosaic Q $\beta$ coats as a new presentation model," <i>FEBS Lett.</i> 431(1):7-11, Federation of European Biochemical Societies (1998)		
	NPL76	Willis, A.E., et al., "Immunological properties of foreign peptides in multiple display on a filamentous bacteriophage," <i>Gene</i> 128(1):79-83, Elsevier Science Publishers B.V. (1993)		
	NPL77	Witherell, G.W., and Uhlenbeck, O.C., "Specific RNA Binding by Q $\beta$ Coat Protein," <i>Biochemistry</i> 28(1):71-76, American Chemical Society (1989)		
	NPL78	Witte, L., et al., "Monoclonal antibodies targeting the VEGF receptor-2 (Flk1/KDR) as an anti-angiogenic therapeutic strategy," <i>Cancer and Metastasis Reviews</i> 17(2):155-161, Kluwer Academic Publishers (1998)		
	NPL79	Wynne, S.A., et al., "The Crystal Structure of the Human Hepatitis B Virus Capsid," <i>Mol. Cell</i> 3(6):771-780, Cell Press (1999)		
	NPL80	Zhou, S., and Standing, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," <i>J. Virol.</i> 66(9):5393-5398, American Society for Microbiology (1992)		

Examiner Signature	/Michelle Horning/	Date Considered	02/22/2007
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FORM PTO-1449

ATTY. DOCKET NO.  
1700.0350002/BJD/SJEAPPLICATION NO.  
10/622,087APPLICANT  
BACHMANN et al.FILING DATE  
July 18, 2003GROUP  
1645INFORMATION DISCLOSURE STATEMENT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
/MH/	AA1	4,722,840	02/02/1988	Valenzuela et al.			09/19/1985
	AB1	5,071,651	12/10/1991	Sabara et al.			03/05/1990
	AC1	5,143,726	09/01/1992	Thornton et al.			11/20/1989
	AD1	5,334,394	08/02/1994	Kossovsky et al.			01/04/1993
	AE1	5,374,426	12/20/1994	Sabara et al.			10/30/1989
	AF1	5,580,859	12/03/1996	Felgner et al.			03/18/1994
	AG1	5,698,424	12/16/1997	Mastico et al.			01/03/1995
	AH1	5,739,026	04/14/1998	Garoff et al.			08/13/1992
	AI1	5,766,602	06/16/1998	Xiong et al.			01/19/1995
	AJ1	5,770,380	06/23/1998	Hamilton et al.			09/13/1996
	AK1	5,789,245	08/04/1998	Dubensky, Jr. et al.			10/30/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
/	AL1	WO 92/11291 A1	07/09/1992	WIPO			Yes No
/	AM1	WO 96/30523 A2	10/03/1996	WIPO			Yes No
/	AN1	WO 97/31948 A1	09/04/1997	WIPO			Yes No
/	AO1	WO 98/15631 A1	04/16/1998	WIPO			Yes No
/	AP1	WO 00/32227 A2	06/08/2000	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/	AR	1	Abraham, J.M., et al., "An invertible element of DNA controls phase variation of type 1 fimbriae of <i>Escherichia coli</i> ," Proc. Natl. Acad. Sci. USA 82:5724-5727, National Academy Press (1985)
/	AS	1	Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of <i>Escherichia coli</i> Type 1 Fimbriae," J. Bacteriol. 174:5145-5148, American Society for Microbiology (1992)
/	AT	1	Adhin, M.R., et al., "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," Virology 170:238-242, Academic Press, Inc. (1989)

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Page 2 of 130

ATTY. DOCKET NO.  
1700.0350002/BJD/SJE

APPLICATION NO.  
10/622,087

APPLICANT  
BACHMANN et al.

FILING DATE  
July 18, 2003

GROUP  
1645

INFORMATION DISCLOSURE STATEMENT

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
/MH/	AA2	5,792,462	08/11/1998	Johnston et al.			05/23/1995
	AB2	5,814,482	09/29/1998	Dubensky, Jr. et al.			10/30/1996
	AC2	5,871,747	02/16/1999	Gengoux-Sedlik et al.			04/28/1995
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	AE2	6,004,763	12/21/1999	Gengoux et al.			05/12/1998
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	✓	AL2	WO 00/59928 A1	10/12/2000	WIPO		Yes No
	✓	AM2	WO 00/23955 A1	04/27/2000	WIPO		Yes No
	✓	AN2	WO 01/62284 A2	08/30/2001	WIPO		Yes No
	✓	AO2	WO 01/85208 A2	11/15/2001	WIPO		Yes No
	✓	AP2	WO 99/28478 A1	06/10/1999	WIPO		Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	✓	AR	2	Aguzzi, A., "Prion diseases, blood and the immune system: concerns and reality," <i>Haematologica</i> 85:3-10, Il Pensiero Scientifico Editore (January 2000)
	✓	AS	2	Ansel, K.M., et al., "In Vivo-activated CD4 T Cells Upregulate CXCR4 Chemokine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," <i>J. Exp. Med.</i> 190:1123-1134, The Rockefeller University Press (1999)
	✓	AT	2	Ansel, K.M., et al., "A chemokine-driven positive feedback loop organizes lymphoid follicles," <i>Nature</i> 406:309-314, Nature Publishing Group (July 2000)

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FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 1700.0350002/BJD/SJE	APPLICATION NO. 10/622,087
	APPLICANT BACHMANN et al.	
	FILING DATE July 18, 2003	GROUP 1645

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
MMH		AA3 2003/0175711 A1	09/08/2003	Renner et al.			01/18/2002
		AB3 2003/0175290 A1	09/18/2003	Renner et al.			01/18/2002
		AC					
		AD					
		AE					
		AF					
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		AH					
		AI					
		AJ					
		AK					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL3 WO 99/57289 A2 & A3	11/11/1999	WIPO			Yes No
		AM3 WO 00/50461 A1	08/31/2000	WIPO			Yes No
		AN3 EP 0 259 149 B1	12/15/1993	Europe			Yes No
		AO3 EP 0 385 610 B1	03/16/1994	Europe			Yes No
		AP3 WO 94/06472 A1	03/31/1994	WIPO			Yes No X

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	3	Antonyamy, M.A., et al., "Evidence for a Role of IL-17 in Organ Allograft Rejection: IL-17 Promotes the Functional Differentiation of Dendritic Cell Progenitors," <i>J. Immunol.</i> 162:577-584, The American Association of Immunologists (1999)
	AS	3	Arenberg, D.A., et al., "The murine CC chemokine, 6C-kine, inhibits tumor growth and angiogenesis in a human lung cancer SCID mouse model," <i>Cancer Immunol. Immunother.</i> 49:587-592, Springer-Verlag (January 2001)
	AT	3	Arnon, R., et al., "A mimotope peptide-based vaccine against <i>Schistosoma mansoni</i> : synthesis and characterization," <i>Immunology</i> 101:555-562, Blackwell Science, Ltd. (December 2000)

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0350002/BJD/SJE

APPLICATION NO.  
10/622,087

APPLICANT  
BACHMANN et al.

FILING DATE  
July 18, 2003

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/	AL4	EP 0 465 081 B1	04/20/1994	Europe			Yes No
/	AM4	EP 0 283 505 B1	07/06/1994	Europe			Yes No
/	AN4	WO 94/15585 A1	07/21/1994	WIPO			Yes No
/	AO4	EP 0 425 082 B1	04/26/1995	Europe			Yes No
/	AP4	WO 96/05293 A1	02/22/1996	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/	AR	4	Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)
/	AS	4	Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)
/	AT	4	Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," <i>J. Exp. Med.</i> 189:1025-1031, The Rockefeller University Press (1999)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/	AL5	WO 99/07839 A2 & A3	02/18/1999	WIPO			Yes No
/	AM5	WO 99/40934 A1	08/19/1999	WIPO			Yes No
/	AN5	WO 99/67293 A1	12/29/1999	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				
/	AR	5	Banerjee, R.R., and Lazar, M.A., "Dimerization of Resistin and Resistin-like Molecules Is Determined by a Single Cysteine," <i>J. Biol. Chem.</i> 276:25970-25973, The American Society for Biochemistry and Molecular Biology, Inc. (July 2001)	
/	AS	5	Bard, F. et al., "Peripherally administered antibodies against amyloid $\beta$ -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nat. Med.</i> 6:916-919, Nature Publishing Company (August 2000)	
/	AT	5	Bass, S., and Yang, M., "Expressing cloned genes in <i>Escherichia coli</i> ," in <i>Protein Function: A Practical Approach</i> , 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)	

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		AM					Yes No
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/	AR	6	Bernhagen, J., et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)," <i>Biochemistry</i> 33:14144-14155, American Chemical Society (1994)
/	AS	6	Biasselle, C.J., and Millar, D.B., "Studies on Triton X-100 detergent micelles," <i>Biophys. Chem.</i> 3:355-361, North-Holland Publishing Company (1975)
/	AT	6	Bleul, C.C., et al., "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusin and blocks HIV-1 entry," <i>Nature</i> 382:829-833, Nature Publishing Group (1996)

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/	AR	2	Blomfield, I.C., et al., "Type 1 Fimbriation and <i>fimE</i> Mutants of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 173:5298-5307, American Society for Microbiology (1991)
/	AS	2	Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 23:705-717, Blackwell Science, Ltd. (1997)
/	AT	2	Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of Protein Expression, Affinity, and Stability," <i>Methods Enzymol.</i> 328:430-444, Academic Press (October 2000)

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✓	AR	8	Bonci, A., et al., "Relatedness and Phylogeny Within the Family of Periplasmic Chaperones Involved in the Assembly of Pili or Capsule-Like Structures of Gram-Negative Bacteria," J. Mol. Evol. 44:299-309, Springer-Verlag (1997)
✓	AS	8	Brandner, S., et al., "A crucial role for B cells in neuroinvasive scrapie," Transfus. Clin. Biol. 6:17-23, Elsevier, Paris (1999)
✓	AT	8	Brinton, Jr., C.C., "The structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative bacteria," Trans. N.Y. Acad. Sci. 27:1003-1054, New York Academy of Sciences (1965)

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/	AR	2	Brown, K.D., et al., "A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes," <i>J. Immunol.</i> 142:679-687, The American Association of Immunologists (1989)
/	AS	2	Brown, P.M., et al., "A Single-Step Purification of Biologically Active Recombinant Human Interleukin-5 from a Baculovirus Expression System," <i>Protein Expr. Purif.</i> 6:63-71, Academic Press, Inc. (1995)
/	AT	2	Brown, K.L., et al., "Scrapie replication in lymphoid tissues depends on prion protein-expressing follicular dendritic cells," <i>Nat. Med.</i> 11:1308-1312, Nature Publishing Company (1999)

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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

✓	AR	10	Bullitt, E., et al., "Development of pilus organelle subassemblies in vitro depends on chaperone uncapping of a beta zipper," <i>Proc. Natl. Acad. Sci. USA</i> 93:12890-12895, National Academy Press (1996)
✓	AS	10	Bullitt, E., and Makowski, L., "Bacterial Adhesion Pili Are Heterologous Assemblies of Similar Subunits," <i>Biophys. J.</i> 74:623-632, Biophysical Society (1998)
↓	AT	10	Burger, J.A., et al., "Blood-derived nurse-like cells protect chronic lymphocytic leukemia B cells from spontaneous apoptosis through stromal cell-derived factor-1," <i>Blood</i> 96:2655-2663, The American Society of Hematology (October 2000)

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	11	Burghoff, R.L., et al., "Utilization of the Mouse Large Intestine To Select an <i>Escherichia coli</i> F-18 DNA Sequence That Enhances Colonizing Ability and Stimulates Synthesis of Type 1 Fimbriae," <i>Infect. Immun.</i> 61:1293-1300, American Society for Microbiology (1993)
	AS	11	Cannon-Carlson S., et al., "Expression, Purification, and Characterization of Recombinant Human Interleukin-13 from NS-O Cells," <i>Protein Expr. Purif.</i> 12:239-248, Academic Press (1998)
	AT	11	Chabaud, M., et al., "Enhancing Effect of IL-17 on IL-1-Induced IL-6 and Leukemia Inhibitory Factor Production by Rheumatoid Arthritis Synoviocytes and Its Regulation by Th2 Cytokines," <i>J. Immunol.</i> 161: 409-414, The American Association of Immunologists (1998)

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	AR	12	Chabaud, M., et al., "Human Interleukin-17. A T Cell-Derived Proinflammatory Cytokine Produced by the Rheumatoid Synovium," <i>Arthritis Rheum.</i> 42:963-970, Wiley-Liss, Inc. (1999)
	AS	12	Chabaud, M., et al., "Contribution of Interleukin 17 to synovium matrix destruction in rheumatoid arthritis," <i>Cytokine</i> 12:1092-1099, Cell Press (July 2000)
	AT	12	Clark, H.F, et al., "Comparative Characterization of a C-Type Virus-Producing Cell Line (VSW) and a Virus-Free Cell Line (VH2) From <i>Vipera russelli</i> ," <i>J. Natl. Cancer Inst.</i> 51:645-657, Oxford University Press (1973)

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/	AR	13	Clark-Lewis, I., et al., "Chemical Synthesis, Purification, and Characterization of Two Inflammatory Proteins, Neutrophil Activating Peptide 1 (Interleukin-8) and Neutrophil Activating Peptide 2," <i>Biochemistry</i> 30:3128-3135, American Chemical Society (1991)
/	AS	13	Coffman, R.L., et al., "Antibody to Interleukin-5 Inhibits Helminth-Induced Eosinophilia in Mice," <i>Science</i> 245:308-310, American Association for the Advancement of Science (1989)
/	AT	13	Cohen, C., and Parry D.A.D., " $\alpha$ -Helical coiled coils-a widespread motif in proteins," <i>Trends Biochem. Sci.</i> 11:245-248, Elsevier Science Publishers B.V. (1986)

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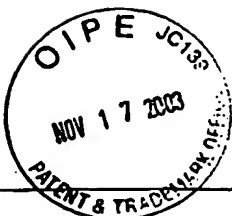
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/	AR	14	Corti, M., et al., "GM1-ganglioside-Triton X-100 mixed micelles: changes of micellar properties studied by laser-light scattering and enzymatic methods," <i>Chem. Phys. Lipids</i> 28:197-214, Elsevier/North-Holland Scientific Publishers, Ltd. (1981)
/	AS	14	Coutelier, J.-P., et al., "IgG2a Restriction of murine antibodies elicited by viral infections," <i>J. Exp. Med.</i> 165:64-69, The Rockefeller University Press (1987)
/	AT	14	Crump, M.P., et al., "Solution Structure of Eotaxin, a Chemokine That Selectively Recruits Eosinophils in Allergic Inflammation," <i>J. Biol. Chem.</i> 273:22471-22479, The American Society for Biochemistry and Molecular Biology, Inc. (1998)

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	AR	15	Davis, N.L., et al., "In Vitro Synthesis of Infectious Venezuelan Equine Encephalitis Virus RNA from a cDNA Clone: Analysis of a Viable Deletion Mutant," <i>Virology</i> 171:189-204, Academic Press (1989)
	AS	15	Daugherty, P.S., et al., "Development of an optimized expression system for the screening of antibody libraries displayed on the <i>Escherichia coli</i> surface," <i>Protein Eng.</i> 12:613-621, Oxford University Press (1999)
	AT	15	Dealwis, C., et al., "Crystal structure of chemically synthesized [N33A] stromal cell-derived factor 1 $\alpha$ , a potent ligand for the HIV-1 "fusin" coreceptor," <i>Proc. Natl. Acad. Sci. USA</i> 95:6941-6946, National Academy Science (June 2001)

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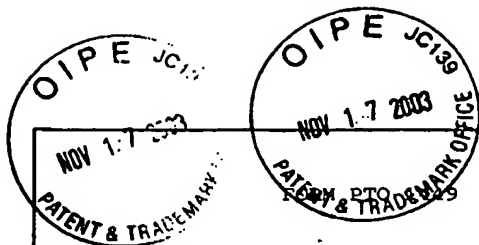
/	AR	16	Dodson, K.W., et al., "Outer-membrane PapC molecular usher discriminately recognizes periplasmic chaperone-pilus subunit complexes," <i>Proc. Natl. Acad. Sci. USA</i> 90:3670-3674, National Academy Press (1993)
/	AS	16	Dudler, J., et al., "Effect of interleukin 17 on proteoglycan degradation in murine knee joints," <i>Ann. Rheum. Dis.</i> 59:529-532, Bmj Publishing Group (July 2000)
/	AT	16	Eckhardt, S.G., et al., "Hepatitis B Virus Core Antigen Has Two Nuclear Localization Sequences in the Arginine-Rich Carboxyl Terminus," <i>J. Virol.</i> 65:575-582, American Society for Microbiology (1991)

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APPLICATION NO.  
10/622,087

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# INFORMATION DISCLOSURE STATEMENT

## U.S. PATENT DOCUMENTS

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	AN						Yes No
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/AR	17	Eisenmesser, E.Z., et al., "Expression, Purification, Refolding, and Characterization of Recombinant Human Interleukin-13: Utilization of Intracellular Processing," <i>Protein Expr. Purif.</i> 20:186-195, Academic Press (November 2000)
/AS	17	Eisenmesser, E.Z., et al., "Solution Structure of Interleukin-13 and Insights into Receptor Engagement," <i>J. Mol. Biol.</i> 310:231-241, Academic Press (June 2001)
/AT	17	Eisenstein, B.I., "Phase Variation of Type 1 Fimbriae in <i>Escherichia coli</i> Is Under Transcriptional Control," <i>Science</i> 214:337-339, American Association for the Advancement of Science (1981)

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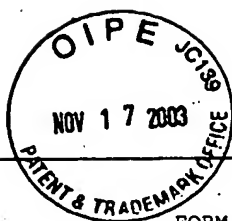
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	✓	AR	18	Elisseeva, E.L., et al., "NMR Studies of Active N-terminal Peptides of Stromal Cell-derived Factor-1," <i>J. Biol. Chem.</i> 275:26799-26805, The American Society for Biochemistry and Molecular Biology, Inc. (September 2000)
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	✓	AT	18	Ettinger, R., et al., "A Critical Role for Lymphotoxin- $\beta$ Receptor in the Development of Diabetes in Nonobese Diabetic Mice," <i>J. Exp. Med.</i> 193:1333-1339, The Rockefeller University Press (June 2001)

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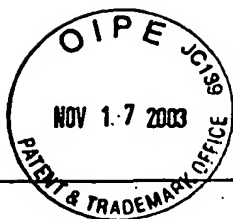
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/	AS	19	Folkman, J., and Klagsbrun, M., "Angiogenic Factors," <i>Science</i> 235:442-447, American Association for the Advancement of Science (1987)
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/	AR	<u>20</u>	Forssmann, U., et al., "Eotaxin-2, a Novel CC Chemokine that Is Selective for the Chemokine Receptor CCR3, and Acts Like Eotaxin on Human Eosinophil and Basophil Leukocytes," <i>J. Exp. Med.</i> 185:2171-2176, The Rockefeller University Press (1997)
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/	AR	21	Fujiwara, K., et al., "Novel preparation method of immunogen for hydrophobic hapten, enzyme immunoassay for daunomycin and adriamycin," <i>J. Immunol. Methods</i> 45:195-203, Elsevier/North-Holland Biomedical Press (1981)
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	AR	22	Gherardi, E. et al., "A single-step procedure for cloning and selection of antibody-secreting hybridomas," <i>J. Immunol. Methods</i> 126: 61-68, Elsevier (1990)
	AS	22	Golmohammadi, R., et al., "The crystal structure of bacteriophage Q $\beta$ at 3.5Å resolution," <i>Structure</i> 4:543-554, Current Biology, Ltd. (1996)
	AT	22	Gunn, M.D., et al., "A B-cell-homing chemokine made in lymphoid follicles activates Burkitt's lymphoma receptor-1," <i>Nature</i> 391:799-803, Nature Publishing Group (1998)

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	AR	23	Hanes, J., et al., "Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display," <i>Nat. Biotechnol.</i> 18:1287-1292, Nature Publishing Company (December 2000)
	AS	23	Hanson, M.S., et al., "Purification of the <i>Escherichia coli</i> Type 1 Pilin and Minor Pilus Proteins and Partial Characterization of the Adhesin Protein," <i>J. Bacteriol.</i> 170:3350-3358, American Society for Microbiology (1988)
	AT	23	Hanson, M.S., and Brinton, Jr., C.C., "Identification and characterization of <i>E. coli</i> type-1 pilus tip adhesion protein," <i>Nature</i> 332:265-268, Nature Publishing Group (1988)

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	AR	24	Harrison, J.L., et al., "Screening of Phage Antibody Libraries," <i>Methods Enzymol.</i> 267:83-109, Macmillan Publishers, Ltd. (1996)
	AS	24	Haslam, D.B., et al., "The amino-terminal domain of the P-pilus adhesin determines receptor specificity," <i>Mol. Microbiol.</i> 14:399-409, Blackwell Scientific Publications (1994)
	AT	24	Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel $\beta$ Chemokine Containing Six Conserved Cysteines," <i>J. Immunol.</i> 159: 1589-1593, The American Association of Immunologists (1997)

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/	AR	25	Heveker, N., et al., Dissociation of the signalling and antiviral properties of SDF-1-derived small peptides," Curr. Biol. 8:369-376, Current Biology, Ltd. (1998)
/	AS	25	Hirel, P.-H., et al., "Extent of N-terminal methionine excision from <i>Escherichia coli</i> proteins is governed by the side-chain length of the penultimate amino acid," Proc. Natl. Acad. Sci. USA 86:8247-8251, National Academy Press (1989)
/	AT	25	Holmes, W.D., et al., "Solution Studies of Recombinant Human Stromal-Cell-Derived Factor-1," Prot. Expr. Purif. 21:367-377, Academic Press (April 2001)

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	AR	26	Holmgren, A., et al., "Conserved immunoglobulin-like features in a family of periplasmic pilus chaperones in bacteria," <i>EMBO J.</i> 11:1617-1622, Oxford University Press (1992)
	AS	26	Holmgren, A., and Bränden, C.-I., "Crystal structure of chaperone protein PapD reveals an immunoglobulin fold," <i>Nature</i> 342:248-251, Nature Publishing Group (1989)
	AT	26	Hultgren, S.J., et al., "The PapG adhesin of uropathogenic <i>Escherichia coli</i> contains separate regions for receptor binding and for the incorporation into the pilus," <i>Proc. Nat. Acad. Sci. USA</i> 86:4357-4361, National Academy Press (1989)

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	AR	27	Hultgren, S.J., et al., "PapD and superfamily of periplasmic immunoglobulin-like pilus chaperones," Adv. Prot. Chem. 44:99-123, Academic Press, Inc. (1993)
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	AT	27	Hultgren, S.J., et al., "Bacterial Adhesins and Their Assembly," in <i>Escherichia coli and Salmonella</i> , Neidhardt, F.C., et al., eds., ASM Press, Washington, D.C. pp. 2730-2756 (1996)

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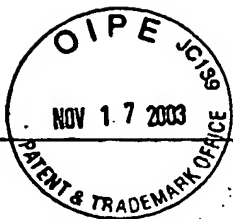
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	AR	28	Humbles, A.A., et al., "Kinetics of Eotaxin Generation and Its Relationship to Eosinophil Accumulation in Allergic Airways Disease: Analysis in a Guinea Pig Model In Vivo," <i>J. Exp. Med.</i> 186:601-612, The Rockefeller University Press (1997)
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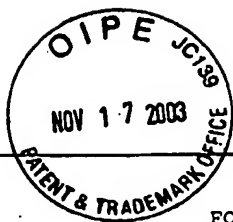
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	AR	29	Ikeda, T., et al., "Determination of Three Isoforms of the Receptor Activator of Nuclear Factor- $\kappa$ B Ligand and Their Differential Expression in Bone and Thymus," <i>Endocrinology</i> 142:1419-1426, The Endocrine Society (April 2001)
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	AT	29	Jacob-Dubuisson, F., et al., "PapD chaperone function in pilus biogenesis depends on oxidant and chaperone-like activities of DsbA," <i>Proc. Natl. Acad. Sci. USA</i> 91:11552-11556, National Academy Press (1994)

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FILING DATE  
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GROUP  
1645

# INFORMATION DISCLOSURE STATEMENT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	31	Jones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type 1 pili in bacteria," <i>Proc. Natl. Acad. Sci. USA</i> 90:8397-8401, National Academy Press (1993)
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	AT	31	Josien, R., et al., "TRANCE, a Tumor Necrosis Factor Family Member, Enhances the Longevity and Adjuvant Properties of Dendritic Cells In Vivo," <i>J. Exp. Med.</i> 191: 495-501, The Rockefeller University Press (February 2000)

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FORM PTO-1449

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ATTY. DOCKET NO.  
1700.0350002/BJD/SJE

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✓	AR	32	Jovanovic, D.V., et al., "IL-17 Stimulates the Production and Expression of Proinflammatory Cytokines, IL- $\beta$ and TNF- $\alpha$ , by Human Macrophages," <i>J. Immunol.</i> 160:3513-3521, The American Association of Immunologists (1998)
✓	AS	32	Kapp, U., et al., "Interleukin 13 Is Secreted by and Stimulates the Growth of Hodgkin and Reed-Sternberg Cells," <i>J. Exp. Med.</i> 189:1939-1945, The Rockefeller University Press (1999)
✓	AT	32	Kastelein, R.A. et al., "Effect of the sequence upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein," <i>Gene</i> 23:245-254, Elsevier (1983)

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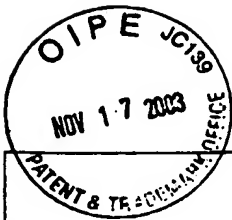
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	AT	33	Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of <i>Escherichia coli</i> . Nucleotide sequence and primary structure of the protein," <i>Euro. J. Biochem.</i> 143:395-399, Blackwell Science, Ltd. (1984)

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↓	AR	34	Klemm, P., and Christiansen, G., "Three fim genes required for the regulation of length and mediation of adhesion of <i>Escherichia coli</i> type 1 fimbriae," Mol. Gen. Genet. 208:439-445, Springer-Verlag (1987)
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	AT	34	Klemm, P., and Christiansen, G., "The fimD gene required for cell surface localization of <i>Escherichia coli</i> type 1 fimbriae," Mol. Gen. Genet. 220:334-338, Springer-Verlag (1990)

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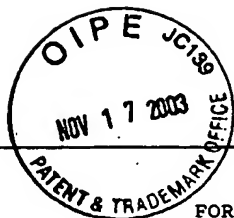
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	AR	35	Klemm, P., "FimC, a chaperone-like periplasmic protein of <i>Escherichia coli</i> involved in biogenesis of type 1 fimbriae," <i>Res. Microbiol.</i> 143:831-838, Institut Pasteur/Elsevier (1992)
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	AT	35	Kodama, S., et al., "Characterization of recombinant murine interleukin 5 expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 2:419-427, Oxford University Press (1992)

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	AR	36	Kodama, S., et al., "Carbohydrate Structures of Human Interleukin 5 Expressed in Chinese Hamster Ovary Cells," J. Biochem. (Tokyo) 110:693-701, Japanese Biochemical Society (1991)
	AS	36	Kopf, M., et al., "IL-5-Deficient Mice Have a Developmental Defect in CD5 <sup>+</sup> B-1 Cells and Lack Eosinophilia but have Normal Antibody and Cytotoxic T Cell Responses," Immunity 4:15-24, Cell Press (1996)
	AT	36	Koschel, M., et al., "Extensive Mutagenesis of the Hepatitis B Virus Core Gene and Mapping of Mutations That Allow Capsid Formation," J. Virol 73:2153-2160, American Society for Microbiology (1999)

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	AR	37	Kohts, K., "Structure-Function Studies on Human Macrophage Colony-Stimulating Factor (M-CSF)," Mol. Reprod. Dev. 46:31-38, Wiley-Liss, Inc. (1997)
	AS	37	Kozlovska, T.M., et al., "Recombinant RNA phage Q $\beta$ capsid particles synthesized and self-assembled in <i>Escherichia coli</i> ," Gene 137:133-137, Elsevier Science Publishers B.V. (1993)
	AT	37	Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," Dokl. Akad. Nauk. SSSR 287: 452-455, Erivan Akademiia Nauk Armianskoi Ssr (1986)

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	AR	38	Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," STNEasy, Accession No. 1986:219892, CAlplus English abstract (1986) (Document AT37)
	AS	38	Krogfelt, K.A., et al., "Direct Evidence that the FimH Protein Is the Mannose-Specific Adhesin of <i>Escherichia coli</i> Type 1 Fimbriae," <i>Infect. Immun.</i> 58:1995-1998, American Society for Microbiology (1990)
	AT	38	Kuehn, M.J., et al., "Structural Basis of Pilus Subunit Recognition by the PapD Chaperone," <i>Science</i> 262:1234-1241, American Association for the Advancement of Science (1993)

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	AR	39	Kunimoto, D.Y., et al., "High-level production of murine interleukin-5 (IL-5) utilizing recombinant baculovirus expression. Purification of the rIL-5 and its use in assessing the biologic role of IL-5 glycosylation," Cytokine 3:224-230, W.B. Saunders Company (1991)
	AS	39	Landschulz, W.H., et al., "The Leucine Zipper: A Hypothetical Structure Common to a New Class of DNA Binding Proteins," Science 240:1759-1764, American Association for the Advancement of Science (1988)
	AT	39	Leake, C.J., et al., "Cytopathic Effect and Plaque Formation by Arboviruses in a Continuous Cell Line (XTC-2) from the Toad <i>Xenopus laevis</i> ," J. gen. Virol. 35:335-339, Cambridge University Press (1977)

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	AR	40	Lee, K.H., et al., "Two-Dimensional Electrophoresis of Proteins as a Tool in the Metabolic Engineering of Cell Cycle Regulation," <i>Biotech. Bioeng.</i> 50:336-340, John Wiley & Sons, Inc. (1996)
	AS	40	Leech, M., et al., "Involvement of macrophage migration inhibitory factor in the evolution of rat adjuvant arthritis," <i>Arthritis Rheum.</i> 41:910-917, Arthritis Foundation (1998)
	AT	40	Leech, M., et al. "Regulation of macrophage migration inhibitory factor by endogenous glucocorticoid in rat adjuvant-induced arthritis," <i>Arthritis Rheum.</i> 43:827-833, Arthritis Foundation (April 2000)

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✓	AR	42	Lin, E.Y., et al., "Colony-stimulating Factor 1 Promotes Progression of Mammary Tumors to Malignancy," <i>J. Exp. Med.</i> 193:727-739, The Rockefeller University Press (March 2001)
✓	AS	42	Lindberg, F., et al., "PapD, a Periplasmic Transport Protein in P-Pilus Biogenesis," <i>J. Bacteriol.</i> 171:6052-6058, American Society for Microbiology (1989)
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	AT	43	Lu, D., et al., "Identification of the Residues in the Extracellular Region of KDR Important for Interaction with Vascular Endothelial Growth Factor and Neutralizing Anti-KDR Antibodies," <i>J. Biol. Chem.</i> 275:14321-14330, The American Society for Biochemistry and Molecular Biology, Inc. (May 2000)

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	AR	44	Lum, L., et al., "Evidence for a Role of a Tumor Necrosis Factor- $\alpha$ (TNF- $\alpha$ )-converting Enzyme-like Protease in Shedding of TRANCE, a TNF Family Member Involved in Osteoclastogenesis and Dendritic Cell Survival," <i>J. Biol. Chem.</i> 274:13613-13618, The American Society for Biochemistry and Molecular Biology, Inc. (1999)
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	AT	44	Luther, S.A., et al., "BLC Expression in Pancreatic Islets Causes B Cell Recruitment and Lymphotoxin-Dependent Lymphoid Neogenesis," <i>Immunity</i> 12:471-481, Cell Press (May 2000)

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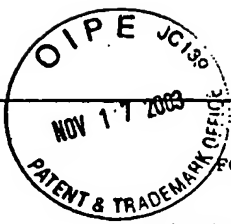
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	AR	45	Mackay, J.L., and Browning, J.L., "Turning off follicular dendritic cells," Nature 395:26-27, Macmillan Magazines, Ltd. (1998)
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FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 1700.0350002/BJD/SJE	APPLICATION NO. 10/622,087
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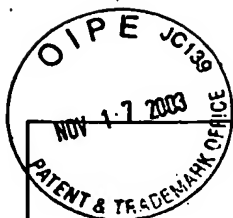
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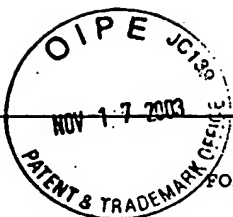
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	AT	50	Murphy, Jr., K.P., et al., "Expression of Human Interleukin-17 in <i>Pichia pastoris</i> : Purification and Characterization," <i>Protein Expr. Purif.</i> 12:208-214, Academic Press (1998)

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	✓	AR	51	Nagira, M., et al., "Molecular Cloning of a Novel Human CC Chemokine Secondary Lymphoid-Tissue Chemokine That Is a Potent Chemoattractant for Lymphocytes and Mapped to Chromosome 9p13," <i>J. Biol. Chem.</i> 272:19518-19524, The American Society for Biochemistry and Molecular Biology, Inc. (1997)
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	52	Neirynck, S., et al., "A universal influenza A vaccine based on the extracellular domain of the M2 protein," Nat. Med. 5:1157-1163, Nature Publishing Company (1999)
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✓	AR	53	Nilsson, P., et al., "Mutations Affecting mRNA Processing and Fimbrial Biogenesis in the <i>Escherichia coli</i> pap Operon," <i>J. Bacteriol.</i> 178:683-690, American Society for Microbiology (1996)
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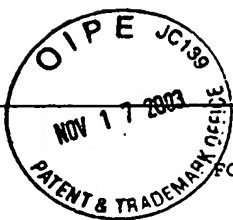
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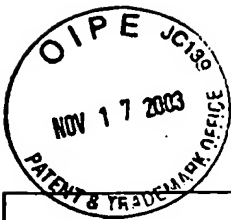
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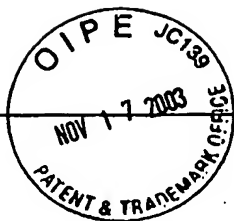
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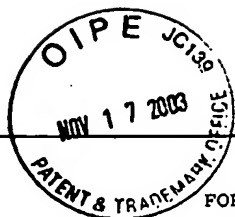
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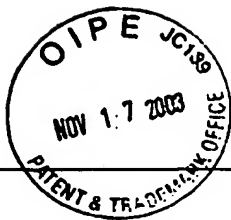
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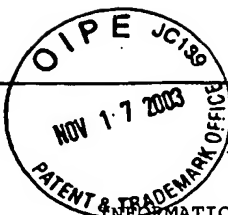
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	AM						Yes No
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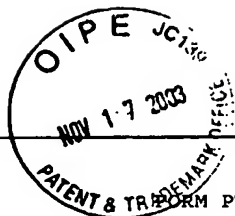
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	AN4						Yes No
	AO4						Yes No
	AP4						Yes No

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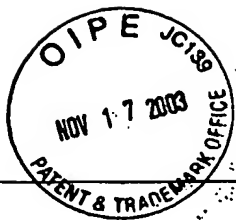
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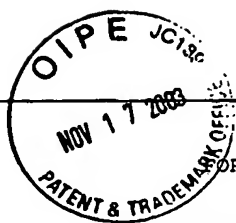
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0350002/BJD/SJE

APPLICATION NO.  
10/622,087

APPLICANT  
BACHMANN et al.

FILING DATE  
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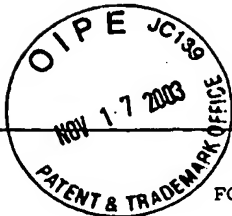
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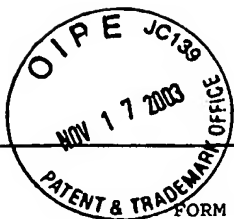
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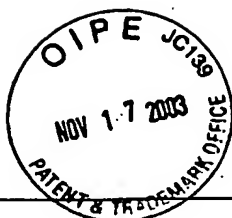
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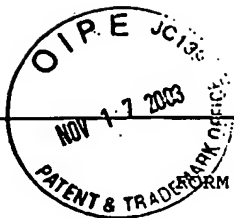
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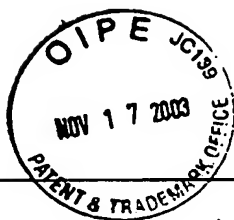
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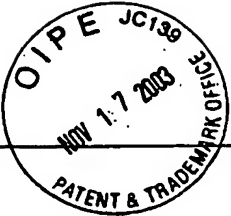
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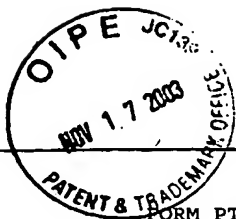
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/ /	AR	<u>101</u>	NCBI Entrez, GenBank Report, Accession No. X85286, from Lai, M.E., et al. (April 1995)
/MH/ /	AS	<u>101</u>	NCBI Entrez, GenBank Report, Accession No. X85287, from Lai, M.E., et al. (April 1995)
/MH/ /	AT	<u>101</u>	NCBI Entrez, GenBank Report, Accession No. X85291, from Lai, M.E., et al. (April 1995)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	102	NCBI Entrez, GenBank Report, Accession No. X85293, from Lai, M.E., et al. (April 1995)
/MH/	AS	102	NCBI Entrez, GenBank Report, Accession No. X85295, from Lai, M.E., et al. (April 1995)
/MH/	AT	102	NCBI Entrez, GenBank Report, Accession No. X85296, from Lai, M.E., et al. (April 1995)

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	AO						Yes No
	AP						Yes No

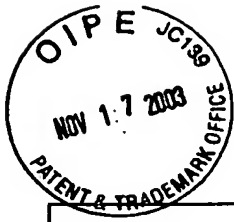
**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

/MH/	AR	<u>103</u>	NCBI Entrez, GenBank Report, Accession No. X85297, from Lai, M.E., et al. (April 1995)
/MH/	AS	<u>103</u>	NCBI Entrez, GenBank Report, Accession No. X85298, from Lai, M.E., et al. (April 1995)
/MH/	AT	<u>103</u>	NCBI Entrez, GenBank Report, Accession No. X85299, from Lai, M.E., et al. (April 1995)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	104	NCBI Entrez, GenBank Report, Accession No. X85301, from Lai, M.E., et al. (April 1995)
/MH/	AS	104	NCBI Entrez, GenBank Report, Accession No. X85302, from Lai, M.E., et al. (April 1995)
/MH/	AT	104	NCBI Entrez, GenBank Report, Accession No. X85303, from Lai, M.E., et al. (April 1995)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/ /	AR	<u>105</u>	NCBI Entrez, GenBank Report, Accession No. X85305, from Lai, M.E., et al. (April 1995)
/MH/ /	AS	<u>105</u>	NCBI Entrez, GenBank Report, Accession No. X85307, from Lai, M.E., et al. (April 1995)
/MH/ /	AT	<u>105</u>	NCBI Entrez, GenBank Report, Accession No. X85311, from Lai, M.E., et al. (April 1995)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/ ✓	AR	<u>106</u>	NCBI Entrez, GenBank Report, Accession No. X85314, from Lai, M.E., et al. (April 1995)
/MH/ ✓	AS	<u>106</u>	NCBI Entrez, GenBank Report, Accession No. X85315, from Lai, M.E., et al. (April 1995)
/MH/ ✓	AT	<u>106</u>	NCBI Entrez, GenBank Report, Accession No. X85316, from Lai, M.E., et al. (April 1995)

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	107	NCBI Entrez, GenBank Report, Accession No. X85317, from Lai, M.E., et al. (April 1995)
/MH/	AS	107	NCBI Entrez, GenBank Report, Accession No. X85319, from Lai, M.E., et al. (April 1995)
/MH/	AT	107	NCBI Entrez, GenBank Report, Accession No. X80925, from Karayiannis, P. (December 1995)

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	108	NCBI Entrez, GenBank Report, Accession No. AAC50341, from Yao, Z., et al. (January 1996)				
/MH/	AS	108	NCBI Entrez, GenBank Report, Accession No. X72702, from Preisler-Adams, S., et al. (February 1996)				
/MH/	AT	108	NCBI Entrez, GenBank Report, Accession No. VCBPR7, from Weber, K., et al. (April 1996)				

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	AN						Yes No
	AO						Yes No
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

/MH/	AR	<u>109</u>	NCBI Entrez, GenBank Report, Accession No. 1604193A, from Gomez, F., et al. (October 1996)
/MH/	AS	<u>109</u>	NCBI Entrez, GenBank Report, Accession No. B56338, from Hoffman, D.R. (May 1997)
/MH/	AT	<u>109</u>	NCBI Entrez, GenBank Report, Accession No. U95551, from Rao, B.S., et al. (June 1997)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<del>/MH/</del>	AR	<u>110</u>	NCBI Entrez, GenBank Report, Accession No. S14764, from Vandermeers, A., et al. (October 1997)
<del>/MH/</del>	AS	<u>110</u>	NCBI Entrez, GenBank Report, Accession No. P03611, from Weber, K., et al. (November 1997)
<del>/MH/</del>	AT	<u>110</u>	NCBI Entrez, GenBank Report, Accession No. AAC14699, from Beekwilder, M.J., et al. (April 1998)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	111	NCBI Entrez, GenBank Report, Accession No. AAC14704, from Beekwilder, M.J., et al. (April 1998)
/MH/	AS	111	NCBI Entrez, GenBank Report, Accession No. AF043593, from Gunther, S., et al. (May 1998)
/MH/	AT	111	NCBI Entrez, GenBank Report, Accession No. 1POC, from Scott, D.L., et al. (September 1998)

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	AN						Yes No
	AO						Yes No
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/MH/	AR	112	NCBI Entrez, GenBank Report, Accession No. CAA30374, from Inokuchi, Y., et al. (February 1999)
/MH/	AS	112	NCBI Entrez, GenBank Report, Accession No. X02496, from Bichko, V., et al. (April 1999)
/MH/	AT	112	NCBI Entrez, GenBank Report, Accession No. MFIV62, from Cox, N.J., et al. (July 1999)

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/MH/	AR	113	NCBI Entrez, GenBank Report, Accession No. VCBPFR, from Wittmann-Liebold, B., et al. (July 1999)
/MH/	AS	113	NCBI Entrez, GenBank Report, Accession No. A59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999)
/MH/	AT	113	NCBI Entrez, GenBank Report, Accession No. B59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999)

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/MH/	AR	114	NCBI Entrez, GenBank Report, Accession No. AF051814, from Boyd, E.F., and Hartl, D.L. (September 1999)
/MH/	AS	114	NCBI Entrez, GenBank Report, Accession No. AF051815, from Boyd, E.F., and Hartl, D.L. (September 1999)
/MH/	AT	114	NCBI Entrez, GenBank Report, Accession No. AF110999, from Chang, S.F., et al. (October 1999)

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	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

/MH/	AR	<u>115</u>	NCBI Entrez, GenBank Report, Accession No. AB033559, from Okamoto, H., et al. (October 1999)
/MH/	AS	<u>115</u>	NCBI Entrez, GenBank Report, Accession No. AB010289, from Koseki, T., et al. (December 1999)
/MH/	AT	<u>115</u>	NCBI Entrez, GenBank Report, Accession No. AJ132364, from Graupner, S., et al. (April 2000)

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	AM						Yes No
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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	116	NCBI Entrez, GenBank Report, Accession No. AF237482, from Johnson, J.R., et al. (May 2000)
/MH/	AS	116	NCBI Entrez, GenBank Report, Accession No. M32138, from Tong, S.P., et al. (July 2000)
/MH/	AT	116	NCBI Entrez, GenBank Report, Accession No. AF229646, from Skerker, J.M., and Shapiro, L. (August 2000)

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	AO						Yes No
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/MH/	AR	117	NCBI Entrez, GenBank Report, Accession No. M95589, from Shi, H., et al. (January 2001)				
/MH/	AS	117	NCBI Entrez, GenBank Report, Accession No. VCBPM2, from Min Jou, W., et al. (January 2001)				
/MH/	AT	117	NCBI Entrez, GenBank Report, Accession No. AF323080, from Steppan, C.M., et al. (January 2001)				

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1645**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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**FOREIGN PATENT DOCUMENTS**

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

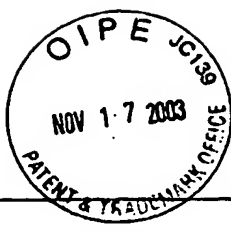
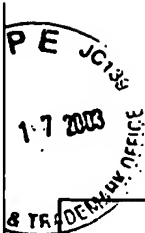
**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

/MH/	AR	<u>118</u>	NCBI Entrez, GenBank Report, Accession No. AF323081, from Steppan, C.M., et al. (January 2001)
/MH/	AS	<u>118</u>	NCBI Entrez, GenBank Report, Accession No. U14003, from Plunkett, G., III, et al. (January 2001)
/MH/	AT	<u>118</u>	NCBI Entrez, GenBank Report, Accession No. AF121239, from Hannoun, C., et al. (February 2001)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	119	NCBI Entrez, GenBank Report, Accession No. AF121240, from Hannoun, C., et al. (February 2001)				
/MH/	AS	119	NCBI Entrez, GenBank Report, Accession No. AF121242, from Hannoun, C., et al. (February 2001)				
/MH/	AT	119	NCBI Entrez, GenBank Report, Accession No. X59795, from Lai, M.E., et al. (March 2001)				

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	<u>120</u>	NCBI Entrez, GenBank Report, Accession No. X65257, from Lai, M.E., et al. (March 2001)
/MH/	AS	<u>120</u>	NCBI Entrez, GenBank Report, Accession No. X65258, from Lai, M.E., et al. (March 2001)
/MH/	AT	<u>120</u>	NCBI Entrez, GenBank Report, Accession No. AF151735, from Gerner, P., et al. (April 2001)

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## U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	<u>121</u>	NCBI Entrez, GenBank Report, Accession No. AJ000636, from Gousset, N., et al. (November 2001)
/MH/	AS	<u>121</u>	NCBI Entrez, GenBank Report, Accession No. AAB59424, from Kenten, J.H., et al. (February 2002)
/MH/	AT	<u>121</u>	NCBI Entrez, GenBank Report, Accession No. AAC06250, from Beekwilder, M.J., et al. (March 2002)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	<u>122</u>	NCBI Entrez, GenBank Report, Accession No. L09137, from Yanisch-Perron, C., et al. (May 2002)
/MH/	AS	<u>122</u>	NCBI Entrez, GenBank Report, Accession No. O09006, from Hromas, R., et al. (June 2002)
/MH/	AT	<u>122</u>	NCBI Entrez, GenBank Report, Accession No. P40224, from Nagasawa, T., et al. (June 2002)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	123	NCBI Entrez, GenBank Report, Accession No. P34884, from Bernhagen, J., et al. (June 2002)				
/MH/	AS	123	NCBI Entrez, GenBank Report, Accession No. P06821, from Winter, G., et al. (June 2002)				
/MH/	AT	123	NCBI Entrez, GenBank Report, Accession No. P30904, from Sakai, M., et al. (June 2002)				

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	AP						Yes No

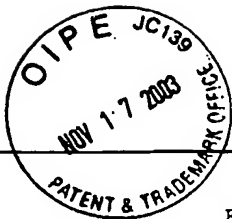
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	124	NCBI Entrez, GenBank Report, Accession No. NP_040754, from Inokuchi, Y., et al. (June 2003)				
/MH/	AS	124	NCBI Entrez, GenBank Report, Accession No. NP_061354, from Ishikawa, S., et al. (September 2003)				
/MH/	AT	124	NCBI Entrez, GenBank Report, Accession No. NP_031804, from Lenda, D.M., et al. (September 2003)				

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	NR	125	NCBI Entrez, GenBank Report, Accession No. NP_006410, from Luther, S.A., et al. (September 2003)				
/MH/	AS	125	NCBI Entrez, GenBank Report, Accession No. NP_000748, from Yao, G.Q., et al. (September 2003)				
/MH/	AT	125	NCBI Entrez, GenBank Report, Accession No. P03069, from Hinnebusch, A.G., et al. (September 2003)				

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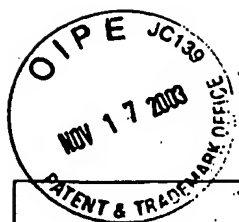
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/MH/	AR	126	NCBI Entrez, GenBank Report, Accession No. 000585, from Hromas, R., et al. (September 2003)
/MH/	AS	126	NCBI Entrez, GenBank Report, Accession No. P14174, from Weiser, W.Y., et al. (September 2003)
/MH/	AT	126	NCBI Entrez, GenBank Report, Accession No. P48061, from Spotila, L.D., et al. (September 2003)

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	AN						Yes No
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	AP						Yes No

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/MH/	AR	127	NCBI Entrez, GenBank Report, Accession No. P80003, from Vandermeers, A., et al. (September 2003)
/MH/	AS	127	Swiss-Prot/TreMBL, TN11_Mouse, Primary Accession No. 035235, entered in Swiss-Prot in October 2001
/MH/	AT	127	Swiss-Prot/TreMBL, TN11_Human, Primary Accession No. 014788, entered in Swiss-Prot in October 2001

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	AP						Yes No

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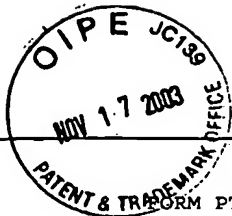
/MH/	AR	128	Copy of co-pending U.S. application 10/264,267, inventors Bachmann, M., filed October 4, 2002 (NOT PUBLISHED)				
/MH/	AS	128	Copy of co-pending U.S. application 10/289,456, inventors Bachmann et al., filed November 7, 2002 (NOT PUBLISHED)				
/MH/	AT	128	Copy of co-pending U.S. application 10/617,876, inventors Bachmann et al., filed July 14, 2003 (NOT PUBLISHED)				

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	APPLICANT BACHMANN et al.	
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### FOREIGN PATENT DOCUMENTS

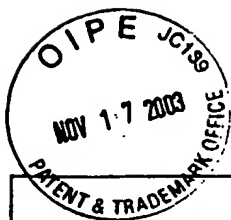
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	129	Copy of co-pending U.S. application 10/346,190, inventors Bachmann et al., filed January 17, 2003 (NOT PUBLISHED)
/MH/	AS	129	Copy of co-pending U.S. application 10/622,064, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED)
/MH/	AT	129	Copy of co-pending U.S. application 10/622,124, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

/MH/	AR	<u>130</u>	Jegerlehner, A., et al., "A molecular assembly system that renders antigens of choice highly repetitive for induction of protective B cell responses," Vaccine 20:3104-3112; Elsevier Science, Ltd. (August 2002)
/MH/	AS	<u>130</u>	The Biology of Animal Viruses, 2nd ed., Fenner, F., et al., eds., Academic Press, New York, NY, pp. 117-119 (1974)
/MH/	AT	<u>130</u>	NCBI Entrez, PubMed Abstract, PMID: 2205968, Diallo, A., et al., "Morbillivirus group: genome organization and proteins," Vet. Microbiol. 23:155-163 (1990)

EXAMINER /Michelle Horning/

DATE CONSIDERED 02/22/2007

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